RAVEN

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Envizio Pro II™

High Value Features and Benefits

Multi-functional design links the other parts of your precision ag system together with a single in-cab console. The sturdy, RAM-mounted console gives you complete system control with the touch of a finger—and helps reduce cab clutter at the same time.

Brilliant 6.5" touch-screen display lets you see where you've been, where you're going and where you are at that moment. Enhanced navigation with bold, easy-to-use icons simplifies operation—and a special day/night mode offers clear viewing even in dark and low-light conditions.

Integrated DGPS dual frequency receiver is standard equipment for convenient all-in-one tracking and sub-meter accuracy, using WAAS and EGNOS satellite signals. Easily upgraded with a simple authorization code to sub-inch accuracy using RTK and GLONASS correction signals. Multiple antenna options are available to match your operating needs and conditions.

Dual-product control gives you an extra dimension and capability for efficient liquid, granular, NH3 and planter applications and controls. That includes direct injection for even greater savings in time and money.

Optional single-product variable rate technology capitalizes on Envizio Pro's prescription map capability to help you get more out of your fields—and do it with less waste, fewer inputs and a smaller chemical footprint. Easy steps for importing and retrieving your prescription maps when you're ready for this upgrade. (Optional)

Scalable to Slingshot™ RTK/Online capabilities for repeatable sub-inch accuracy, ZERO line-of site limitations—and access to a new world of power with in-cab high-speed Internet access. Like transferring data to/from secure online accounts, transferring prescription maps and application files on the fly, slashing downtime and eliminating operator error with in-cab access to support from your Slingshot dealer—and more!

Last Pass guidance is the industry's easiest-to-operate contour guidance technology—perfect for irregularly shaped fields. Our newest version includes automatic correction intelligence to virtually eliminate the possibility of repeating an error made on any one pass.

3D moving-map guidance display helps keep you on line in any pattern—straight, fixed curve, pivot and enhanced Last Pass. The high-resolution landscape screen makes your progress easy to see. And with the day/night mode, you can stay on course 24 hours a day.

Multiple screen views let you switch on the fly between downfield and birds-eye views to fit your different operating needs at all times. Ideal for checking field coverage and skips one minute—and navigating the next.

Field review screen allows you to check field coverage on the spot—and correct any skips or missed areas before leaving the field. Just another one of the many on-screen features that help you do more with less.

Four field patterns to choose from means easier line acquisition and faster, more accurate field coverage. Patterns include straight A-B, fixed curve and pivot, plus Raven's exclusive Last Pass feature for irregularly shaped fields.

Real-time data mapping, field reports and record keeping give you the tools and information you need to improve your bottom line by saving time, reducing input costs and improving overall performance from one season to the next.

Two USB ports allow you to transfer field data easily—like coverage records and application rates—from your field to the office with a simple thumb drive for better farm management and analysis.

BMP and SHP file formats greatly enhance your ability to record, analyze and make the best use of field data—from simple coverage data to geo-referenced shape files for higher level analysis.

Industry compatible technology allows you to share, collect and print data from commonly used industry software and equipment without problems. With Raven, you don't have to worry about proprietary or compatibility issues keeping you from doing what you need to do.

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It takes a system: Superior. Seamless. Scalable.

FIELD COMPUTERS	GUIDANCE AND STEERING	APPLICATION CONTROLS	BOOM CONTROLS	PLANTER CONTROLS
Viper Pro™	Cruizer II™	SCS Consoles	AutoBoom™	OmniRow™
Envizio Pro II™	SmarTrax RTK™	Switch Pro™	AccuBoom™	AccuRow™
Envizio Pro™	SmarTrax™	AccuFlow HP™	SmartBoom™	SmartRow™
	SmartSteer™	AccuFlow™		CropStart II
	GPS Receivers	Sidekick Pro™ Dir. Injection		
	RGL Series Lightbars	Sidekick™ Direct Injection		
		RFM Flow Meters		
		Valve Products		
		FlowMax™		
		DCS Consoles		

Viper Pro™: The next step up.

If your operating needs call for more system power and application controls than Envizio Pro II can comfortably provide, it's time to step up to the Viper Pro field computer. Viper Pro comes with a larger 10.4" vertical touch-screen display, more memory, faster processing and wireless Internet capability. Loaded with capability, Viper Pro is equipped to handle five different product applications at the same time, each with its own variable application rate for maximum savings and performance. GPS receiver sold separately.

FIELD COMPUTERS | GUIDANCE & STEERING | APPLICATION CONTROLS | BOOM CONTROLS | PLANTER CONTROLS

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1-800-243-5435
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Raven: Simply improving your position.℠

Adding Raven to your operation brings an unequaled brand of precision agriculture innovation and performance to your farm.

Imaginative products that are relevant and reliable. A thoughtful approach to solving problems unique to agriculture. Seamlessly integrated systems that simply work — simply.

An incredible depth of human resources: On-the-ground service from Raven Precision Ag Specialists; our customer-oriented product development and support staff; and your local Raven dealer or distributor.

Raven offers a powerful and profitable product portfolio — targeted precisely on what matters most: Reducing input costs. Increasing yields. Saving time and labor. Making better decisions. Enhancing environmental stewardship. Achieving your financial objectives.

It's all about improving your position. Pinpointing exactly where you are in your field. Applying best management practices to grow more with less. Helping you meet challenge, cope with change and capitalize on opportunity. Strengthening your balance sheet.

If you want to farm better, smarter and more profitably, discover Raven. Because improving your position is our highest priority.

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Envizio Pro II™

Complete control and capability in one simple package for greater savings and performance.

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Simply improving your position.℠

Envizio Pro II™

Envizio Pro II is Raven's complete multi-function field computer for growers, with more power to control, simplify and improve virtually every phase of your farming operation. From your first pass to your last, Envizio Pro II is the perfect interface for tying your different system functions together—and rewarding you with greater efficiency, performance and savings.

Total control. No gaps. Seamless operation. Envizio Pro II is the driving force for all of your system functions. From integrated GPS technology, advanced data mapping and record keeping to dual product control, boom management, assisted steering and planter controls. Compatible with Slingshot RTK/Online Service, Envizio Pro II works seamlessly to deliver greater efficiency and performance.

Doing more with less. With the latest in advanced computer software and wireless RTK technology, Envizio Pro II brings a new level of accuracy and control to virtually every production area. That means greater savings in farm inputs with more efficiency and productivity from planting to harvest.

Designed for growers. Scalable. Envizio Pro II is intelligently designed for the grower market with the extra power, functionality and simplicity to accommodate your changing needs—and grow your capabilities when the time is right. Compatible with commonly used industry software and equipment to make your job even easier.

Guiding you toward profitability. Envizio Pro II's benefits go straight to your bottom line—especially when you consider all of the powerful time-saving and productivity-enhancing features.

Powering your farming potential with ease and precision.

Planter Controls

- Total planter control and seed monitoring by row or sections for maximum yields and savings.
- Variable rate seeding (prescription-based or manual) for greater efficiency and yields in every field.
- Real-time singulation reporting by row to immediately identify problems and eliminate skips/doubles.
- Automatic GPS-guided on-off control by row for point rows and no-plant zones for faster, more efficient planting—and eliminating cross planting.
- Scalable to RTK sub-inch accuracy for amazing year-to-year repeatability.
- Concurrent seeding/monitoring of multiple varieties for testing seed performance.
- Replanting capability down to a single row.
- Population reports/mapping for improved records and management decisions.

Application Controls

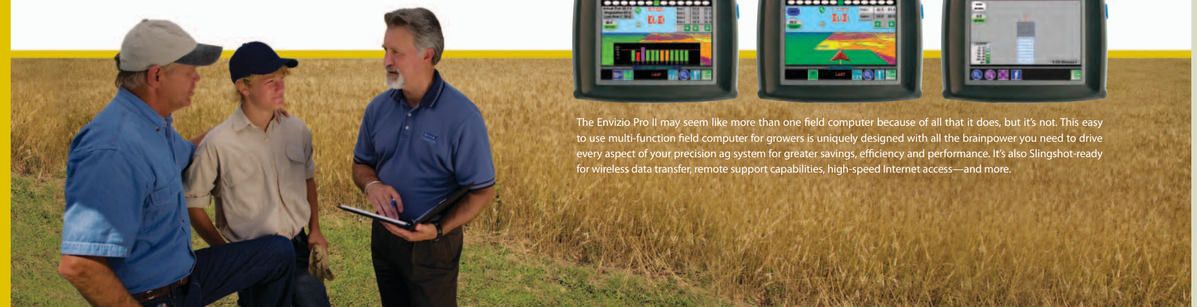
- Total boom section and height controls for superior coverage, maximum yields and greater savings.
- Automatic GPS-guided on-off section control for faster, more precise applications—and savings.
- Dual-product capability for added efficiency and convenience.
- Single-product VRA for greater yields and efficiency in changing soils.
- Application reports/mapping for improved records and management decisions.
- Assisted-steering capability for faster, hands-free applications.

Yield Monitoring (Optional)

- Envizio Pro II works seamlessly with SmartYield™ yield monitoring system for real-time monitoring of crop yields and moisture content during harvest.
- Accurate geo-based yield records give you critical performance data for better decisions, greater savings and higher yields.
- Records and displays bushels per acre and moisture content for calculating yields in-field for all major grains.
- Optical sensor with hillside compensation ensures more accurate yield data, easier calibration and faster startups.
- Pre-set combine calibration numbers for all major makes and models for even simpler startup.

Slingshot™ Online/RTK (Optional)

- In-cab wireless RTK correction signals via cellular phone networks for greater reach and accuracy. Also compatible with public CORS networks.
- ZERO line-of-site RTK signal limitations.
- Repeatable accuracy with RTK sub-inch capability.
- In-cab high-speed Internet access for real-time communications with any computer—anywhere.
- Seamless data transfer to/from secure online accounts via the Internet.
- Transfer prescription maps, application files and other data on the fly.
- Remote service capability for changing settings and profiles from distant locations.
- Available through select Slingshot-certified dealers around the world.



Planter Controls

Application Controls

Yield Monitor

The Envizio Pro II may seem like more than one field computer because of all that it does, but it's not. This easy to use multi-function field computer for growers is uniquely designed with all the brainpower you need to drive every aspect of your precision ag system for greater savings, efficiency and performance. It's also Slingshot-ready for wireless data transfer, remote support capabilities, high-speed Internet access—and more.

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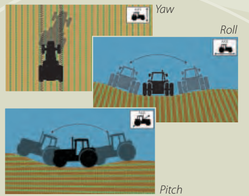
World-class options for your precision ag system.

Envizio Pro II is the "great enabler" when it comes to building a world-class precision-based system to help get you where you want to go. Raven's innovative system options work seamlessly with your Envizio Pro II field computer to surpass your operating goals and expectations—simply.

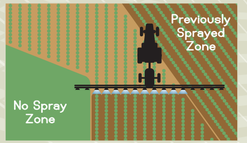
SmarTrax™ The most accurate GPS assisted hydraulic steering package in its class. Offering 3D compensation and hands-free steering at speeds up to 27 mph with faster line acquisition and more accurate spraying, spreading, seeding and tillage. Now available with RTK corrections (SmarTrax RTK™) for sub-inch accuracy.



SmartSteer™ Convenient hands-free driving with GPS-assisted mechanical steering. Offering easy installation and amazing simplicity when moving it from one machine to the next. You don't even have to remove the steering wheel!

AccuBoom™ Automatic boom section control with CANbus technology for extra chemical savings and environmental benefits. Perfect for eliminating skips and avoiding no spray zones and previously sprayed areas.

AccuBoom Automatic Section Control

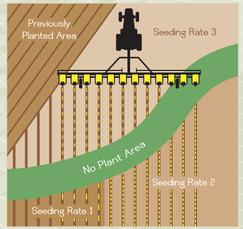


AutoBoom™ The ultimate in automatic boom height control. Makes it possible to spray more acres in less time—and less effort. Ideally suited for booms of all sizes and for controlling larger booms with ease. Innovative design also reduces wear and tear on valuable equipment. Three system options to choose from to fit your needs and budget.

AutoBoom Automatic Height Control

OmniRow™ Raven's advanced planter control system works seamlessly with the Envizo Pro II field computer at the helm. Enabled with Slingshot™ RTK sub-inch accuracy, variable rate seeding, automatic row-by-row on-off planter controls, real-time singulation to guarantee precision and eliminate skips/over-planting. Singular OmniRow motor-clutch design delivers unmatched reliability and performance.

OmniRow Advanced Planter Control System



Switch Pro™ Innovative design allows you to upgrade easily from Raven's SCS or non-mapping control systems to a multi-function field computer like Envzio Pro II—without having to install a new cable/harness system. Easy to use and even easier to install with up to 10-section product control. Simply replace your existing console with Switch Pro and you're good to go.

Your Raven brand distributor and Precision Ag Specialist have the training and experience it takes to help you build the best precision ag system for your operation. At Raven, we make it simple.